Cloud Computing AND Big Data Forum & Workshop Agenda
National Institute of Standards and Technology, 100 Bureau Drive, Gaithersburg, MD

DAY 1 - January 15, 2013

Time			Event
8:00			**Check-in (Administration Building 101)**
8:00	-	9:00	**Real World Collaboration with Academia, Government, Industry & Standards Developing Organizations** *(Administration Bldg. 101, Flag Hallway)*
F O R U M – (*NIST, Bldg. 101, Red Auditorium***)**			
9:00	-	9:10	**Welcome & Opening Remarks: Patrick Gallagher,** Under Secretary of Commerce for Standards and Technology and Director, National Institute of Standards and Technology
9:10	-	9:20	**Keynote: Steven VanRoekel,** United States Chief Information Officer
9:30	-	10:40	**Panel: Convergence of Cloud and Big Data, Moderator: Charles H. Romine,** Director, Information Technology Laboratory
10:40	-	11:00	**USG Cloud Computing Technology Roadmap Progress, Robert Bohn,** NIST Program Manager for Cloud Computing
11:00	-	11:30	**Break (on your own; cafeteria accepts cash, credit cards)** **Real World Collaboration with Academia, Government, Industry & Standards Developing Organizations (Administration Bldg. 101, Flag Hallway)**
11:30	-	12:30	**Progress on Standards for Interoperability between Clouds, Moderator: John Messina,** Reference Architecture and Taxonomy Working Group Co-chair
12:30	-	1:30	**Focus Session: USG Cloud Computing Technology Roadmap Priority Action Plan (PAP) Progress and Examples. Moderator: Robert Bohn, Program Manager,** NIST Cloud Computing Program and Reference Architecture and Taxonomy Working Group Co-chair • **Requirement 1: International voluntary consensus based interoperability, portability and security standards** • **Requirement 2: Solutions for High Priority Security Requirements** • **Requirement 3: Technical specifications to enable development of consistent, high quality Service Level Agreements** • **Requirement 4: Clearly & consistently categorized cloud services**
1:30	-	2:45	**Lunch (On your own; Cafeteria accepts cash and credit cards)** **Real-World Collaboration with Academia, Government, Industry & Standards Developing Organizations (Administration Bldg. 101, Flag Hallway)**
2:45	-	4:15	**Focus Session: USG Cloud Computing Technology Roadmap Priority Action Plan (PAP) Progress and Examples, Moderator: Michael Hogan,** NIST Cloud Computing Standards Roadmap Working Group Co-chair • **Requirement 5: Frameworks to support seamless implementation of federated community cloud environments** • **Requirement 6: Security guidance that reflects changing organization policy decisions that are driven by the evolving cloud computing business and technology model (security guidance)** • **Requirement 7: Defined unique government regulatory requirements, technology gaps, and solutions** • **Requirement 8: Collaborative parallel strategic "future cloud" development initiatives** • **Requirement 9: Defined and implemented reliability design goals** • **Requirement 10: Defined and implemented cloud service metrics**
4:15	-	4:30	**Closing Remarks, Ashit Talukder, Ph.D.,** Chief, Information Access Division, , Information Technology Laboratory

DAY 2 – January 16, 2013

F O R U M – (NIST, Bldg. 101, Red Auditorium)			
9:00	-	9:10	**Welcome & Opening Remarks, Chuck Romine, Director, Information Technology Laboratory, NIST**
9:10	-	9:25	**Keynote**
9:25	-	9:45	**NIST Talk on Draft Discussion of Definition and Characteristics**
9:45	-	9:55	**Open discussions**
9:55	-	10:10	**Break**
10:10	-	11:10	**Big Data Use-Cases Government Perspectives**
11:15	-	12:15	**Big-Data Lifecycle Management: Measurement Science, Benchmarking and Evaluation Challenges**
12:15	-	1:45	**Lunch (On your own; Cafeteria accepts cash and credit cards)**
			Networking and Interaction in Hall with Posters, Demos and Exhibits by Academic, Federal Government, and Commercial Participants
1:45	-	2:15	**Panel: Big Data Analytics and Solutions, Moderator: NIST tbd**
2:25	-	3:25	**Big-Data Analytics and Processing: Measurement Science, Benchmarking and Evaluation Challenges**
3:25	-	3:35	**Break**
3:35	-	4:35	**Big-Data Interaction and Visualization: Measurement Science, Benchmarking and Evaluation Challenges**
4:35	-	5:30	**Operational Big Data Infrastructure**
5:30		5:40	**Summary of first Big Data event and Day 2 Closing Remarks, Christopher Greer, Associate Director, Program Implementation Office, Acting Senior Advisor for Cloud Computing, Information Technology Laboratory**

DAY 3 – January 17, 2013

8:00	**Check-in (Administration Building 101)**
9:00	**Welcome, Jim St. Pierre, Deputy Director, Information Technology Laboratory, NIST**
9:10	**Cloud Workshop Introduction, Robert Bohn, NIST Program Manager for Cloud Computing**
9:20	**BIG Data Workshop Introduction, NIST ITL Representative**
9:30	**Morning Breakout Sessions (130 Minutes)**
B01:	**USG Cloud Computing Technology Roadmap Volume III Progress (Eric Simmon, Volume III primary author & lead)**
B02:	**International Cloud Computing Standards Progress and Considerations (Michael Hogan and Annie Sokol, NIST Cloud Computing Standards Roadmap Working Group Co-chairs)**
	Status Report on JTC1 & ITU-T Collaborative Teams on Cloud Computing
	Progress Update of NIST SP 500-291 – Standards Roadmap
B03:	**Cloud Metrics (Frederic DeVaulx)**
	Security Reference Architecture (Micheala Iorga Senior Security Technical Lead for Cloud Computing, Chair, NIST Cloud Computing Security WG, Co-Chair, NIST Cloud Computing Forensic Science WG)
	Enabling an Enterprise-wide, Data Centric Computing Environment through the Policy Machine (Dave Ferraiolo)
B04:	**Exploring the Formation of new Working Groups at the Intersection of cloud and big data and Use-Case Collection**
B05:	**Definition, key characteristics Challenges of big data and Research Roadmap Kickoff**
11:40	**Report Out & Workshop Next Steps**
12:30	**Closing Remarks**
12:40	**Adjourn**

Optional - PLEASE BRING YOUR LUNCH AND JOIN US
1:00-3:00pm Standards Roadmap Working Group Meeting, Michael Hogan and Annie Sokol, NIST Cloud Computing